FOIA EXEMPT Contains Confidential Business Information

Details of MOC Items and Related Action Items

5A-DONOT RELEASE

EPA Region 10 Deemed Releasable

Unit Name:	Hydrotreating Unit #2	Unit Synonym:	
REF Number:	M2014685-001	MOC Number:	2720
MOC Title:	M2014685 - HTU2 - Install temporary clamp on spent caustic batch out line	MOC Status:	MOC Completed
Work Order #:	81773793	Date Initiated:	08/22/2014
Responsible Person:	WALKER, JAMES	Temp Change Expiry	10/31/2014
Initiator:	WALKER, JAMES	Termination Date:	
Accepted By:	WALKER, JAMES	Actual Start Date:	08/22/2014
Source:	Leak Meeting	Target Closure Date:	08/22/2014
Category:	Temp. Clamp/Enclosure (c)	Actual Completion Date:	09/19/2014
Priority: Basis: Suggested Fix:	Medium Operability Maintenance	Risk Ranking: Target Start-Up Date: Actual Start Date:	Operability
Technical Basis:	The spent caustic batch out line has a leak and a temporary clamp needs to be installed. This is a product of	uality issue for propane from	HTU2/CRU2.
Description:	The spent caustic batch out line has a leak and a temporary clamp needs to be installed.		



PSR04798

Closure Comment:

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Details of MOC Items and Related Action Items

Emergency MOC Expert / Opinion List:

Expert I Name OPINION1 Emergency Type:

Expert2Name OPINION2 Emergency Date:

<u>Expert3Name</u> <u>OPINION3</u> <u>Emergency</u>

Expert4Name OPINION4

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PSR04799

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Details of MOC Items and Related Action Items

Evaluation Items:

Completion Dates

Target Actual

08/22/2014

Evaluation Evaluation

Status Closed Assigned to
CHUCK HEGLAND

Template
001. PEI- GENERAL

Actioned No

Description:

08/22/2014

D. Has the change accounted for all necessary changes within PEI, such as updates to all pertinent PEI records (e.g. IDMS, Iso's, RBI, C&MDs, CCDs, P&IDs, WHIP, Ammonium Salts, etc)?

Comments: Yes

Comments:

Comments:

Attachments

08/22/2014 08/22/2014

Evaluation

Closed

JAMES WALKER

Yes per leak meeting discussion

007. OPERATIONS- GENERAL

No

Description:

OPS: Has Operations reviewed the operability of the design (lineups, accessibility for operation or maint., emergency response impacts, bypassing systems, labeling, etc)?

Attachments

08/22/2014 08/22/2014

Evaluation

Closed

JAMES WALKER

007. OPERATIONS- GENERAL

No

Description:

RP- Assign a target approval date and add the Area Production Manager to the Approval Committee on the Approval Page to obtain Technical Approval prior to implementation.

Attachments

08/22/2014 08/2

08/22/2014

Evaluation

Closed

CHUCK HEGLAND

TEMP. CLAMPS / ENCLOSURE

No

No

Description:

001. Has the change design accounted for all active damage mechanisms (such as bolts, gaskets, wiring, etc.)?

Comments:

Yes, temporary clamp rated for hydrocarbon

Jason Smolsnik added - Delegate for Sean Cornett

Attachments

08/22/2014 08/22/2014

Evaluation

Closed

CHUCK HEGLAND

TEMP. CLAMPS / ENCLOSURE

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Description:

002. Has the change design accounted for interim inspections to be performed, if required, on a set interval for the Temporary Repair?

Comments:

Yes, but line to be replaced during September 2014 TA

Attachments

08/22/2014 08/22/2014

Evaluation

Closed

CHUCK HEGLAND

TEMP. CLAMPS / ENCLOSURE

No

PSR04800

REF Number:

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Shell Anacortes Refinery Anacortes, Washington

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Details of MOC Items and Related Action Items

Description:

003. Is the custom leak-sealing enclosure (clamp or other) designed to code and with good engineering practices developed for the specific application?

Comments:

Not custom, off the shelf

Attachments

08/22/2014

08/22/2014 Evaluation Closed

CHUCK HEGLAND

TEMP. CLAMPS / ENCLOSURE

No

Description:

004. Are all materials used in the clamp or enclosure adequate for the design conditions?

Comments:

Yes per literature

Attachments

08/22/2014 08/22/2014 Evaluation

Closed

CHUCK HEGLAND

TEMP. CLAMPS / ENCLOSURE

No

Description:

005. In cases where sealant injection is necessary, have the maximum sealant volume and injection pressure been determined?

Comments:

N/A

Attachments

08/22/2014 08/22/2014

Evaluation

Closed

CHUCK HEGLAND

TEMP, CLAMPS / ENCLOSURE

No

Description:

006. Has the enclosure been designed to hold the parent components together under rated design pressure in case they fail after repair?

Comments:

No, if another leak occurs additional mitigation will be discussed

Attachments

08/22/2014

08/22/2014

Evaluation

Closed

CHUCK HEGLAND

TEMP, CLAMPS / ENCLOSURE

No

No

Description:

007. Has it been determined that the weight of the enclosure can be supported by the leaking component? Is additional support required? Comments:

Temp. clamp shows 5lbs max

Attachments

08/22/2014

08/22/2014

Evaluation

Closed

JAMES WALKER

TEMP. CLAMPS / ENCLOSURE

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DO NOT RELEASE

Description:

008. If this is an enclosure on rotating equipment, have the mechanical loads or alignments been considered?

Comments: NA

Comments:

of

Attachments

08/22/2014 08/22/2014

Evaluation

Closed

CHUCK HEGLAND

TEMP. CLAMPS / ENCLOSURE

PSR04801 No

Description:

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Shell Anacortes Refinery Anacortes, Washington

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Details of MOC Items and Related Action Items

009. Is the damage mechanical crack or corrosion? If cracking, have lateral stresses been taken into consideration?

corrosion

Attachments

08/22/2014 08/22/2014 Evaluation

Closed

CHUCK HEGLAND

TEMP. CLAMPS / ENCLOSURE

No

DO NOT RELEASE

Description:

010. Has a Shell representative inspected the enclosure during fabrication or before installation (where applicable)?

Comments:

Not fabricated. Shelf item

Attachments

08/22/2014 08/22/2014

Evaluation

Closed

CHUCK HEGLAND

TEMP. CLAMPS / ENCLOSURE

No

Description:

011. If enclosures are welded in outside shops, is certification and approval of the fabrication shop required?

Comments:

N/A

Attachments

08/22/2014 08/22/2014 Evaluation Closed JAMES WALKER

TEMP. CLAMPS / ENCLOSURE

No

Description:

012. Will this change affect the operability of the unit, such as limits on operating pressure or temperature, etc?

Comments:

No affect on operability. Temporary clamp.

Attachments

08/22/2014 08/22/2014 Evaluation

Closed

JAMES WALKER

TEMP. CLAMPS / ENCLOSURE

No

Description:

013. Will this change require development of temporary operating procedures?

Comments:

No procedures affected

Attachments

08/22/2014

08/22/2014

Evaluation

Closed

CHUCK HEGLAND

TEMP. CLAMPS / ENCLOSURE

No

Description:

014. Are there any other pressure equipment integrity issues not yet addressed? If so, are adequate safeguards in place?

Comments:

No

Attachments

08/22/2014 08/22/2014 Evaluation

Closed **BRIAN DALEY** TEMP, CLAMPS / ENCLOSURE

INFORMATION

No

Description:

Comments:

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Shell Anacortes Refinery Anacortes, Washington

PSR04802

REF Number:

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Details of MOC Items and Related Action Items

no, decon of system, isolation and exposure during work to install scaffold, clamp

015. Does the change create H&S issues not yet addressed, such as potential tripping or falling hazards, potential exposure, access or

egress limitations, etc?

Attachments

08/22/2014 08/22/2014

Evaluation

Closed

JAMES WALKER

reviewed at leak meeting

TEMP. CLAMPS / ENCLOSURE

No

Description:

016. Will this change create any potential environmental impact? If so, consult with the Env. representative.

Comments: No Impact

Attachments

08/22/2014 08/22/2014

Evaluation

Closed

CHUCK HEGLAND

TEMP. CLAMPS / ENCLOSURE

No

Description:

Have possible changes in inspection frequency, future inspection techniques, etc, been considered?

Attachments

Comments:

Duplicate

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Details of MOC Items and Related Action Items

MOC Approval:

Approval Committee JASON SMOLSNIK

Approved

Comments

Yes

Approved as PUM DOA per S Cornett

approved / Denied By: WALKER, JAMES

Approved / Denied Date: 08/22/2014

arget Review

Review Completion

Containment:

The spent caustic batch out line has a leak and a temporary clamp needs to

be installed.

Root Cause and

The spent caustic batch out line has a leak and a temporary clamp needs to be installed. This is a product quality issue for propane

from HTU2/CRU2.

BUSINESS CONFIDENTI INFORMATION

PSR04804

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Details of MOC Items and Related Action Items

Action Items:

Action	Completion Dates		Action	Assigned to	Work Order #	Action Item Description	Remarks Programme Remarks	Action
No	Target	<u>Actual</u>	Status					Resolution

Action

has undergone this change.

Jim Woolbert 08/22/2014 08/23/2014 All provisions required to start up Closed inspections and craft persons have Out have been completed, the completed there work and the line equipment has been verified by has been turned over to operations to operations as safe to operate and authorization is hereby given to start up the process/equipment that

Attachments:

BUSINESS CONFIDEN INFORMATION

PSR04805

REF Number:

DO NOT RELEASE

FOIA EXEMPT Contains Confidential Business Information

Details of MOC Items and Related Action Items

PSSR Items:

Completion Dates

Target Actual **PSSR** PSSR Status Assigned to Category

PSSR

08/22/2014 08/22/2014 **PSSR** Closed CHUCK HEGLAND TEMP CLAMPS / ENCLOSURE

Description: Comments:

P1-01. Has the installation of the leak-sealing device been reviewed and Per the rating on the temporary clamp and by PEI inspector approved?

Attachments

08/22/2014 08/22/2014 PSSR Closed CHUCK HEGLAND TEMP CLAMPS / ENCLOSURE

Description: Comments:

P1-02. Has a Shell representative inspected the enclosure during No fabrication. Yes fabrication or before installation (where applicable)?

Attachments

08/22/2014 08/22/2014 **PSSR** Closed CHUCK HEGLAND TEMP CLAMPS / ENCLOSURE

Description: Comments:

P1-03. If not already in the system, have the sealant and packing MSDS's No sealant

been submitted to the H&S department?

Attachments

08/22/2014 08/22/2014 **PSSR** Closed CHUCK HEGLAND TEMP CLAMPS / ENCLOSURE

Description:

P1-04. If applicable, does the stud bolting meet Piping Code standards Yes, not exposed to process

requirements for service?

Attachments

PSR04806 08/22/2014 08/22/2014 **PSSR** Closed CHUCK HEGLAND TEMP CLAMPS / ENCLOSURE

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Comments:

INFORMATION Shell Anacortes Refinery Anacortes, Washington

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Details of MOC Items and Related Action Items

Description:

Comments:

P1-05. If welding and/or post weld heat treat were required, were these performed according to code and plant procedures?

N/A

Attachments

08/22/2014 08/22/2014

PSSR

Closed

JAMES WALKER

TEMP CLAMPS / ENCLOSURE

Description:

Comments:

P1-06. If a Temporary procedure is required, is it in place and have the

appropriate employees been trained?

No procedure required

Attachments

Closure Items

08/25/2014

08/25/2014

PSSR

Closed

JAMES WALKER

USER DEFINED

Description:

P2-01. Commissioning Date - List the CORRECTED commissioning date

(this supercedes the commissioining date initially documented.)

Comments:

08/23/14

Attachments

08/23/2014 08/23/2014 **PSSR**

Closed

Jim Woolbert

TEMP CLAMPS / ENCLOSURE

Description:

P2-01. Commissioning Date - List the date the clamp/enclosure was put in

service (mm/dd/yv).

Comments:

8-22-14

Attachments

08/23/2014 08/23/2014

PSSR

Closed

Jim Woolbert

TEMP CLAMPS / ENCLOSURE

Description:

Comments:

P2-02. Temporary repair is in place and maintaining integrity?

op's did a tightness test and found no leaks

Attachments

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Shell Anacortes Refinery Anacortes, Washington

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Details of MOC Items and Related Action Items

09/11/2014

PSSR

Closed

Brent WELSH

TEMP CLAMPS / ENCLOSURE

Description:

Comments:

P2-03. Documentation such as drawings, calculations, and sketches are attached?

08/25/2014

Non engineered pipe clamp......N/A.

Attachments

08/22/2014

08/25/2014

PSSR

Closed

CHUCK HEGLAND

TEMP CLAMPS / ENCLOSURE

Description:

P2-04. Has the proper documentation for the leak-sealing device been

submitted for record keeping?

Comments:

Yes, IDMS and RTR

Attachments

08/22/2014

08/25/2014

PSSR

Closed

CHUCK HEGLAND

TEMP CLAMPS / ENCLOSURE

Description:

P2-05. If applicable, is a plan in place for scalant re-injection?

Comments: N/A

Attachments

08/22/2014

08/25/2014

PSSR

Closed

JAMES WALKER

TEMP CLAMPS / ENCLOSURE

Description:

Comments: NA

P2-06. OPERATIONS/MAINTENANCE- Have all necessary Isolation

Packages been created or updated in EDoc? (OMS to coordinate with Doc.

Control Supervior)

Attachments

08/22/2014

09/02/2014

PSSR

Closed

JAMES WALKER

TEMP CLAMPS / ENCLOSURE

Description:

Comments:

P2-07. Has a date for removal of temporary repair been identified? Has a

SAP W.O. been initiated for removal?

Yes, the addendum has been submitted for the Sept. 2014 HTU2 Outage.

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Details of MOC Items and Related Action Items

10/31/2014 09/19/2014 **PSSR** Closed DARRELL BURNS TEMP CLAMPS / ENCLOSURE

Description: Comments:

P2-99. AFTER this temp repair has been removed and a permanent repair has been completed, document the date of the permanent repair (mm/dd/yy). Do not close item until permanent repair is complete.

9/19/2014

Attachments

BUSINESS CONFIDENT INFORMATION

PSR04809 Shell Anacortes Refinery Anacortes, Washington

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Details of MOC Items and Related Action Items

Equipment Items:

Attachment Names:

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PSR04810